

PTO/SB/21 (08-03)

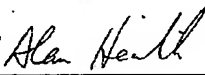
Approved for use through 07/31/2006. OMB 0651-0031

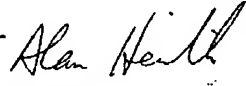
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/781580
	Filing Date	02/18/2004
	First Named Inventor	Russell T. Nakano
	Art Unit	not known
	Examiner Name	not known
Total Number of Pages in This Submission	63	Attorney Docket Number 112003.P002

**RECEIVED**  
**CENTRAL FAX CENTER**  
**DEC 14 2005**

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Please see remarks below.
Remarks Page 1 - this page. Page 2&3 - Information Disclosure Statement under 37 CFR 1.97 Pages 4 - SBUS Pages 5 - 63 IDS References Email communication authorized to customer number 40418.		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Alan Heimlich, Esq. / PTO Reg. 48808	
Signature	 Digitally signed by Alan Heimlich DN: CN = Alan Heimlich, C = US, O = Heimlich Law	
Date	12/14/2005	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. <b>FAXED TO Central Fax at +1 (571) 273-8300</b>		
Typed or printed name	Alan Heimlich	
Signature	 Digitally signed by Alan Heimlich DN: CN = Alan Heimlich, C = US, O = Heimlich Law	Date 12/14/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IDS Cover Letter

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/781580  
Applicant : Russell T. Nakano  
Filed : 02/18/2004  
TC/A.U. : not known  
Examiner : not known  
Confirmation No. : 3059

**RECEIVED  
CENTRAL FAX CENTER  
DEC 14 2005**

Docket No. : 112003.P002

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of an Information Disclosure Statement by Applicant ("IDS") (Form PTO/SB/08A and 08B as required) together with copies of the cited documents. It is respectfully requested that the cited documents be considered by the Examiner and the IDS be initialed by the Examiner to indicate such consideration and that a copy of such be returned to Applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this IDS is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this IDS is material to patentability. This IDS is being submitted under:

37 C.F.R. §1.97(b)

- ☐ (1) – i.e. within 3 mo of filing date of national ap (other than under 1.53(d))
- ☐ (2) – i.e. within 3 mo of date of entry in national stage (international ap 1.491)
- ☒ (3) – i.e. before mailing of first Office Action on the merits
- ☐ (4) – i.e. before mailing of first Office Action after filing RCE under 1.114

37 C.F.R. §1.97(c) – i.e. after time period of 1.97(b) and before an action closing prosecution (mailing date of final action 1.113, NOA 1.311, etc.) and is accompanied by:

IDS Cover Letter

- ☐ (1) – one of the statements of 1.97(e) below; OR  
☐ (2) – the fee set forth in 1.17(p) and enclosed.

37 C.F.R. §1.97(d) – i.e. after time period of 1.97(c) and IDS is filed on or before issue fee and is accompanied by:

- ☐ (1) – one of the statements of 1.97(e) below; AND (2) – the fee set forth in 1.17(p) and enclosed.

37 C.F.R. §1.97(e) statement:

- ☐ (1) That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement; or  
☐ (2) That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

Respectfully submitted,

Dated: 12/14/2005

  
Digitally signed by Alan  
Heimlich  
DN: CN = Alan Heimlich, C  
= US, O = Heimlich Law  
Alan Heimlich / Reg. No. 48808  
Customer No. 40418  
Tel: +1 408 253 3860

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/781580
		Filing Date	10/10/2004
		First Named Inventor	Russell T. Nakano
		Art Unit	not known
		Examiner Name	not known
Sheet 1	of 1	Attorney Docket Number	112003.P002

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LI Y H ET AL : "Classification of text documents", COMPUTER JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol . 41, no . 8, 1998, pages 537-546, XP002116464 ISSN : 0010-4620 paragraph *05 .31	
		FURNAS G W ED - CHIARAMELLA Y ASSOCIATION FOR COMPUTING MACHINERY : "INFORMATION RETRIEVAL USING A SINGULAR VALUE DECOMPOSITION MODEL OF LATENT SEMANTIC STRUCTURE" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON RESEARCH AND DEVELOPMENT IN INFORMATION RETRIEVAL . (SIGIR) . GRENOBLE, JUNE 13 - 15, 1998, NEW YORK, ACM, U.S, vol . CONF . 11, 13 June 1998 (1998-06-13), pages 465-480, XP000295052 paragraph *02 .31 - paragraph *02 .41	
		NICHOLAS C ET AL : "Spotting topics with the singular value decomposition" PRINCIPLES OF DIGITAL DOCUMENT PROCESSING . 4TH INTERNATIONAL WORKSHOP, PODDP'98 .PROCEEDINGS SPRINGER-VERLAG BERLIN, GERMANY, 29 March 1998 (1998-03-29), pages 82-91, XP008045764 ISBN : 3-540-65086-5 the whole document	
		BELLEGRADA J R : "Exploiting Latent Semantic Information in Statistical Language Modeling" PROCEEDINGS OF THE IEEE, IEEE . NEW YORK, US, vol . 88, no . 8, August 2000 (2000-08), pages 1279-1296, XP002219343 ISSN : 0018-9219 the whole document	
		BELLEGRADA J R ED - EUROPEAN SPEECH COMMUNICATION ASSOCIATION (ESCA) : "A LATENT SEMANTIC ANALYSIS FRAMEWORK FOR LARGE-SPAN LANGUAGE MODELING" 5TH EUROPEAN CONFERENCE ON SPEECH COMMUNICATION AND TECHNOLOGY . EUROSPEECH '97 . RHODES, GREECE, SEPT . 22 - 25, 1997, EUROPEAN CONFERENCE ON SPEECH COMMUNICATION AND TECHNOLOGY . (EUROSPEECH), GRENOBLE : ESCA, FR, vol . VOL . 3 OF 5, 22 September 1997 (1997-09-22), pages 1451-1454, XP001045086 the whole document	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.